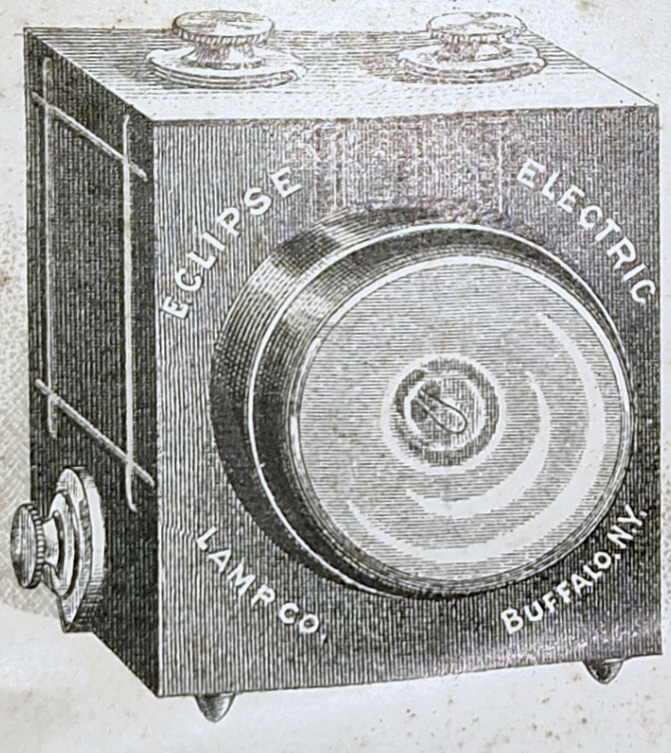
THE ECLIPSE ELECTRIC LAMP



The Eclipse... Electric Lamp

"A word to the wise is sufficient."

THE public has been anticipating for many years the introduction of a practical, portable electric lamp, and wonder has been expressed that nothing of the kind has been put upon the market. Experiments by the thousand, it might be said, have been worked out, but the difficulties encountered in producing a lamp at once inexpensive, practical, and as easily operated as an oil lamp in

the hands of the ordinary user, seemed insurmountable, and one after another experiments were abandoned and the task given up as an impossible one.

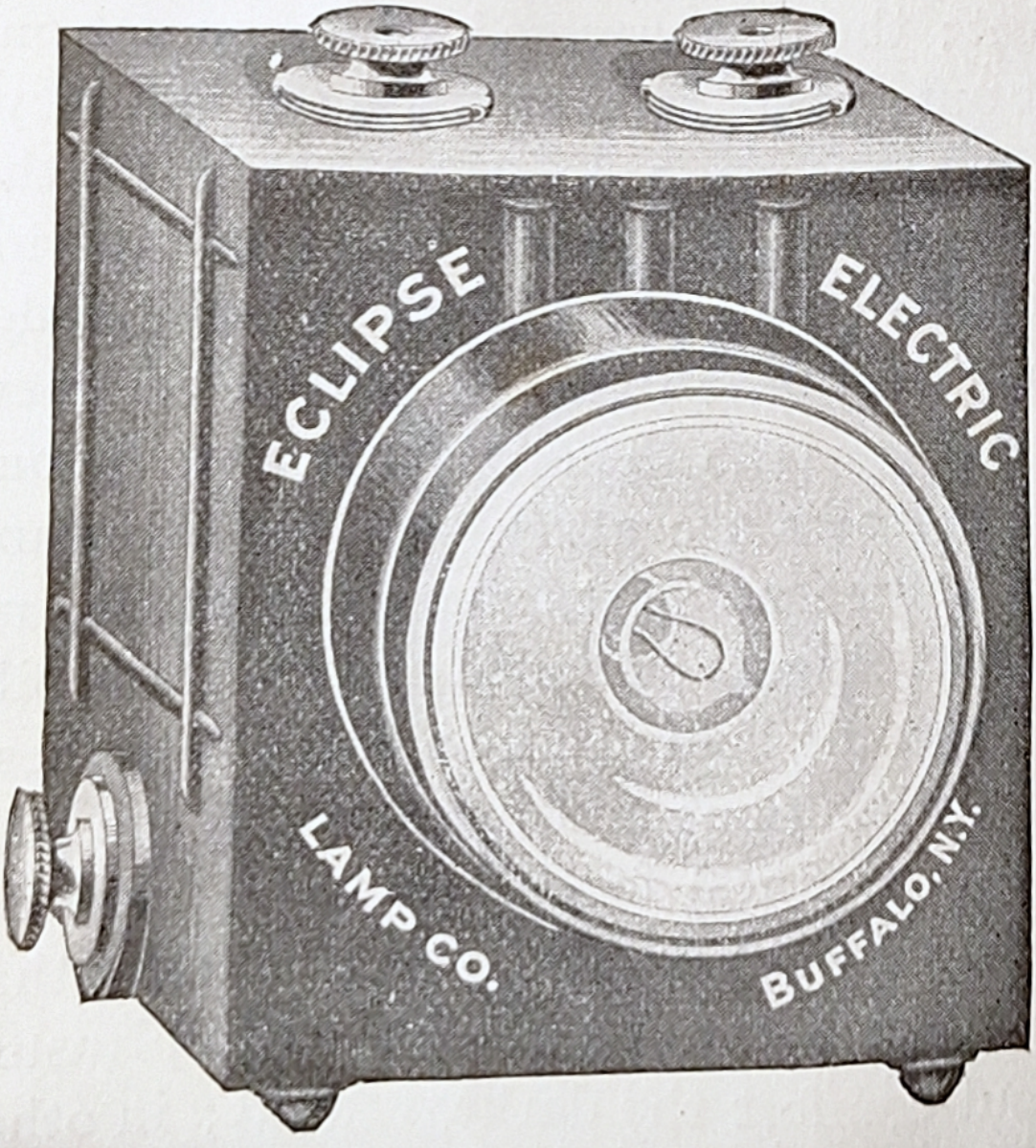
In order to make a portable electric lamp which would be acceptable and satisfactory to the public, it should be small, compact, and light in weight; it should be simple in construction, easily operated and not liable to get out of order; should furnish a good strong light and burn under any and all conditions; its first cost should be no more than a good oil lamp and it should be as cheaply maintained.

An electric lamp combining these qualities has finally been perfected, and it is now offered for sale to the public under the name of the **Eclipse Electric Lamp.**

The **Eclipse Electric Lamp** is the result of long years of labor and expensive experimental work; it is perfect in every detail and is offered at a price at once within the reach of every one needing a portable light for bicycles, carriages, wagons, or wherever a portable light is required. The lamp can be

operated by a boy or girl quite as well as by older heads; it throws a strong brilliant light seventy-five to one hundred feet; the most severe jolting can not put it out; wind, rain, or the speed of a bicycle or carriage do not affect it in the least; it is as far ahead and as superior to the *very best* oil or vapor lamp made, as the electric light for general commercial use is to the oil lamps used by our forefathers a century ago, which means of course no heat, smoke or smell; no burnt fingers or soiled clothes from oil; no getting behind a tree to light matches; no jolting out and arrest (with the subsequent fines) for "lights out," but instead a light so strong and brilliant that a bicycle can be ridden with pleasure and comfort the darkest night; in other words, instead of the antiquated and always troublesome oil lamp, a light that *is a light and remains a light* as long as you have use for it.

..Eclipse Electric Lamp No. 2..

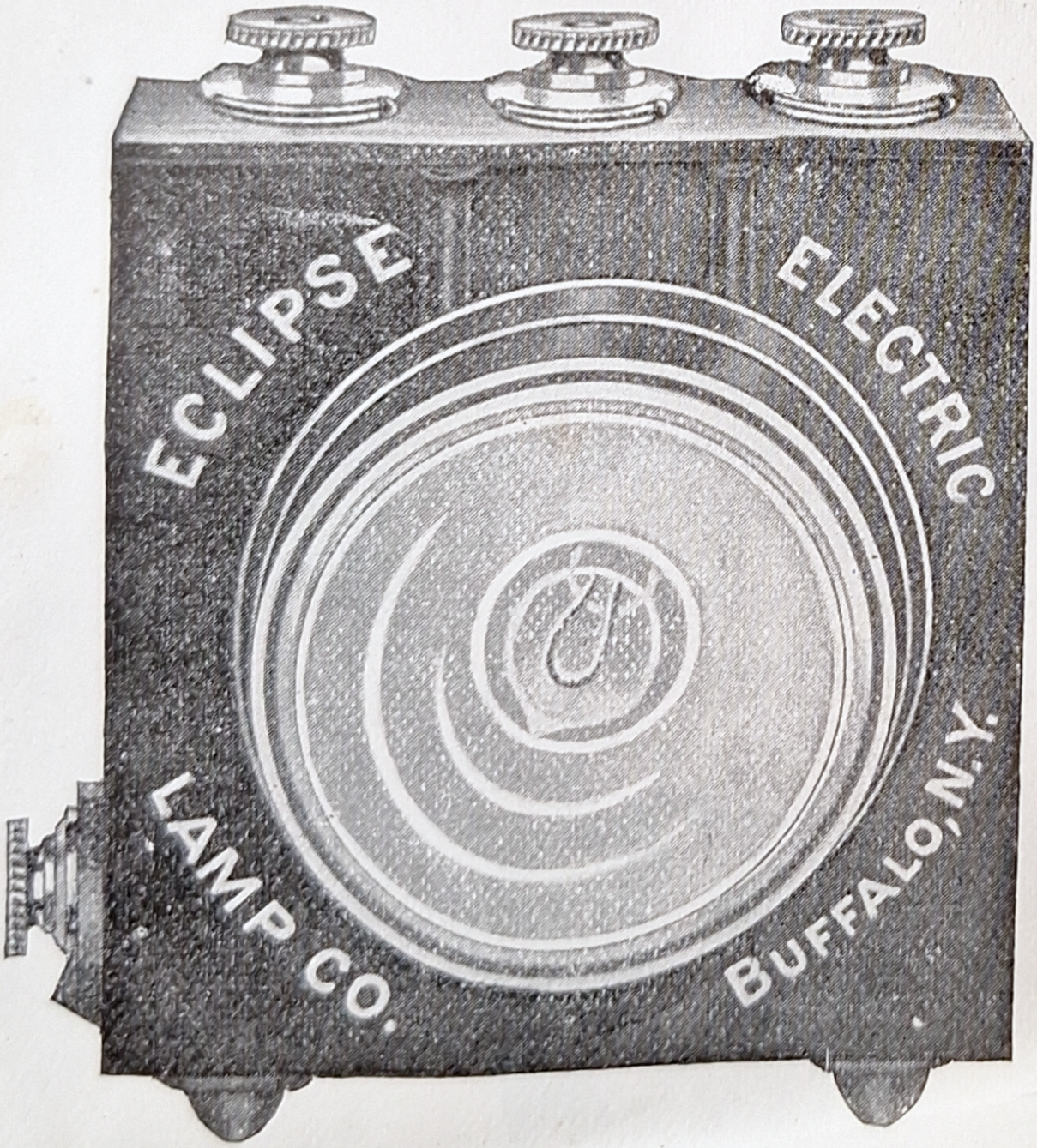


The above is a half size illustration of our No. 2 lamp. This size we make particularly for bicycles.

Size.—3½ in. wide, 3 in. deep, 4 in. high.
Weight, 16 ounces.

Price, ... Net, $5.00

..Eclipse Electric Lamp No. 3..



The above is an illustration of our No. 3 lamp. This size we make for carriages, wagons, miners, watchmen and for general use whenever a portable lamp is needed.

Size.—4½ in. wide, 3½ in. deep, 5 in. high.
Weight, 26 ounces.

Price, ... Net, $7.00

Tin tube containing one charge of
Eclipse Electric Sand.

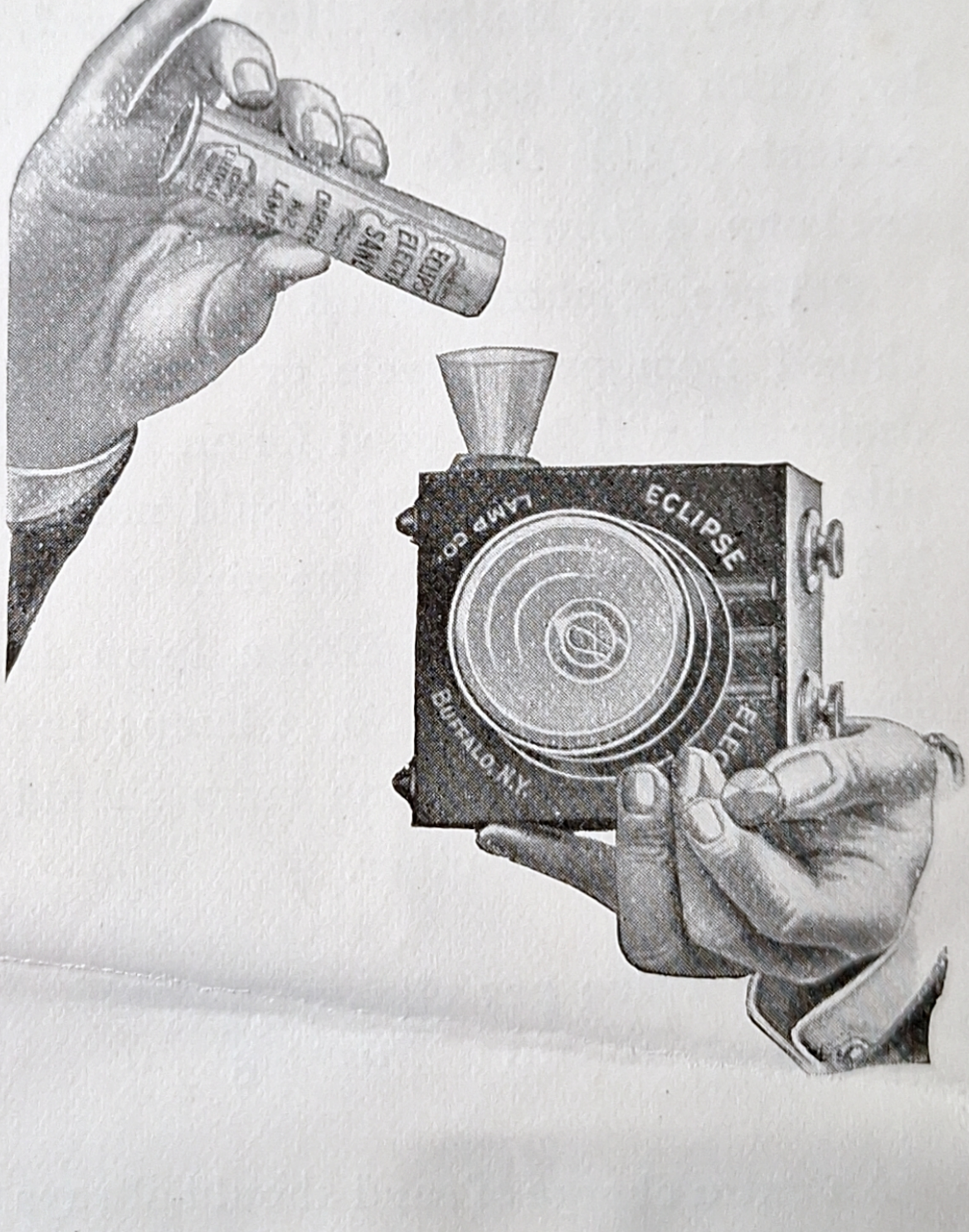
THE opposite illustration shows one charge of **Eclipse Electric Sand,** by which our lamp is operated. The contents of this tin box is emptied into the lamp as shown on page 8.

Eclipse Electric Sand can be purchased from any bicycle or hardware dealer and will keep good for an indefinite length of time. It should not be left open or exposed to the air.

The charge for the No. 2 lamp is smaller than for the No. 3 lamp; the quantity intended for one lamp should not be used in the other.

***No. 2.*—Price per charge, 5 cents.**
***No. 3.*— " " " 6 "**

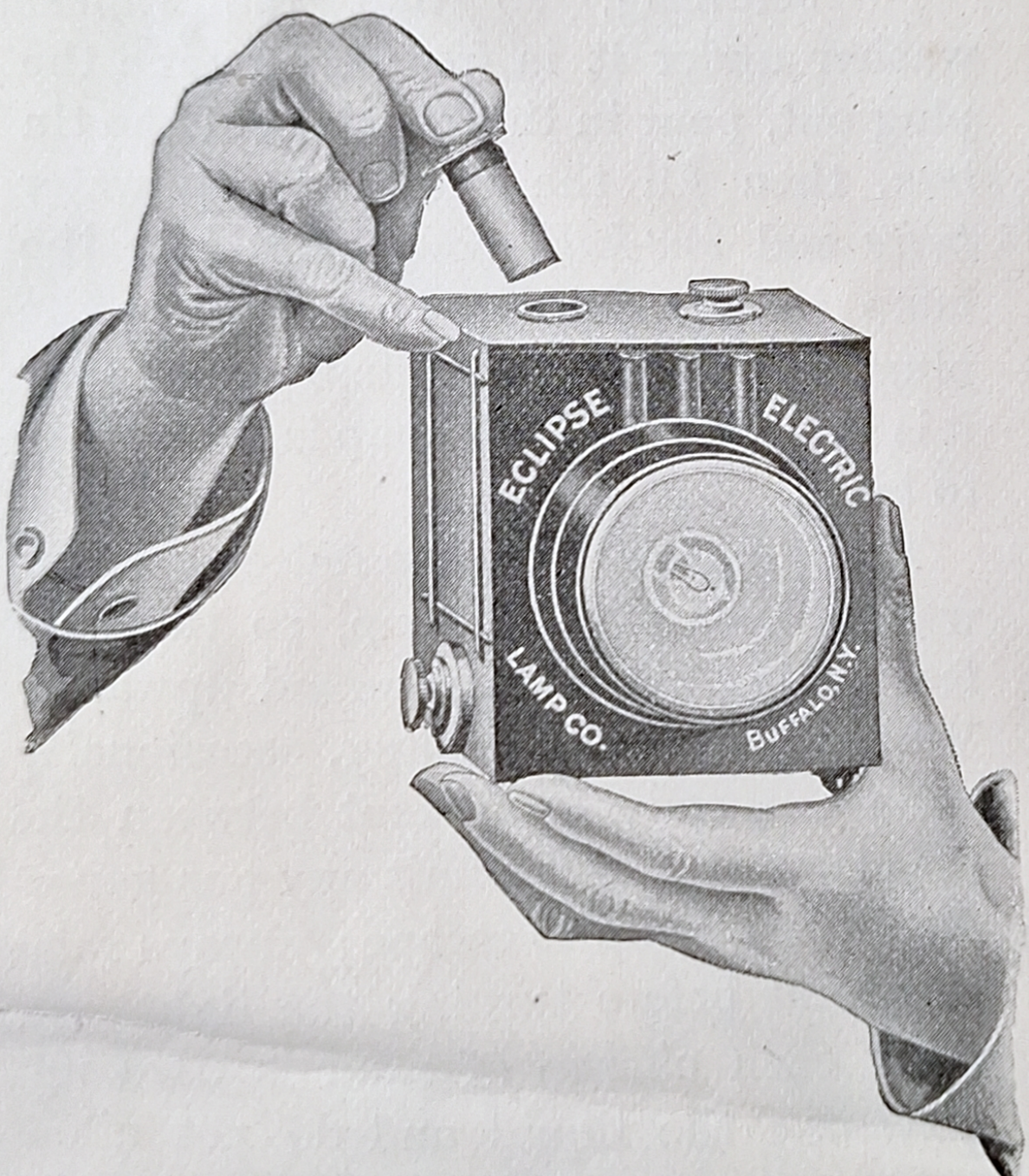
An extra charge of sand should always be carried in the pocket or tool bag.



The above illustration shows the operation of pouring the **Eclipse Electric Sand** into the lamp.

BEFORE taking out the stopper, loosen the thumb screw by unscrewing, so that the rubber washer under it is free; then take the plug out, pour in the contents of the tin box, then fill the tin box with water *twice* and *one-half*, pouring it into the lamp in the same manner; replace the plug, tightening the thumb screw after it is in place; and the lamp is then ready to burn.

To light, hold the lamp reflector downwards, reversing the lamp, so that the feet at the bottom are turned upwards. While the lamp is burning, occasionally raise one end of the vent between the four legs, so as to permit any gas generated in the lamp to escape; always raise this vent before turning the light out. After each charge of sand is used up, pour out the liquid and do not allow exhausted solution to remain in the lamp; occasionally rinse the lamp out with water. Never stand lamp on its side while charged.



Operation taking out Zinc.

THE preceding illustration shows the operation of taking out the zincs. When the zincs have been worn down so that there is little left of them, a new set should be put in. To accomplish this first unscrew the top thumb screw; turn the washer under the screw until the jaws clear the groove beneath, and pull the zinc out; when taken out, remove the thumb screw, take off the metal washer and the rubber washer under it, and throw the old zinc away; place the rubber washer on the new zinc, then the metal washer, then the thumb screw; put the zinc through the opening, setting the jaws of the metal washer in the groove; turn the washer half way around and retighten the thumb screw. Be careful that a good clean connection is had between the metal washer and the place it rests on.

Price of new zinc, each, 3 cents.

THE **Eclipse Electric Lamp** requires no more care than an ordinary oil lamp, and users are only asked to give it the attention they would accord to any article made for general use.

To obtain proper results, read the preceding pages a few times and become familiar with the lamp and its operation.

The bulbs as a rule will burn a whole season in ordinary use. New bulbs can be furnished at any time and cost thirty cents. In ordering state whether for No. 2 or No. 3 lamp, and never use the bulb intended for one lamp in the other.

Caution.—Never attempt to use anything to operate the lamp except Eclipse Electric Sand. It will be furnished promptly in paper boxes containing one dozen charges by mail or express. Zincs can be had at any time in the same manner. In ordering sand always say whether No. 2 or No. 3 size charge is wanted; when not specified No. 2 will be sent.

PRICE OF FIXTURES.

Fixtures to secure lamp to carriages, 30 cts.
" " carry lamp in hand, . . 30 "

"THE LIGHT OF THE DAY"

LIGHT
CLEAN
BRILLIANT
ODORLESS.

KETTERLINUS, PHILA. N.Y.